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CATALOGUE OF ECONOMIC MINERALS OF CANADA FOR THE PARIS INDUSTRIAL EXHIBITION.

Metals and their Ores.

MAGNETIC IRON ORE.—Large blocks from Marmora.—*Marmora Foundery Company, Marmora.*

Large blocks from Madoc.—*Mr. Seymour, Madoc.*

Large blocks from South Sherbrooke.—*A. Morris, Montreal.*

Large blocks from South Crosby.—*G. Stevens, Newborough.*

A large block from Hull.—*Ottawa Mining Company, Hull.*

A large block from Leeds.—*L. Sleeper, Quebec.*

Specimens from Portage du Fort, &c.—*Geological Survey.*

SPECULAR IRON ORE.—Large blocks from McNab.—*A. Dickson, Kingston.*

A specimen from Wallace Mine Location.—*Geological Survey.*

A large specimen from Lake Nipissing.—*Geological Survey.*

BOG IRON ORE.—Large blocks from Houghton, C. W.—*B. Vanorman, Tilsonburgh.*

A large block from Vaudreuil.—*R. Lancaster, Vaudreuil.*

Specimens from Nicolet, Machiche, and Pointe du Lac, with cast and wrought iron from the same.—*John Porter & Co., St. Maurice Forges.*

Specimens from Cap de la Madelaine Seigniory, with cast iron from the same.—*A. Larue & Co., Radnor Furnaces.*

Specimen from St. Vallier Seigniory.—*Capt. Morin, St. Vallier.*

TITANIFEROUS IRON ORE.—Large blocks from lot 9, concession 11, Sutton.—*L. H. Smith, Sutton.*

A large block from lot 9, concession 9, Sutton.—*Oramel Stutson, Sutton.*

A large block from lot 6, concession 9, Sutton.—*B. Mudget, Sutton.*

Specimen from Brome.—*Geological Survey.*

ILMENITE, sometimes mixed with RUTILE.—Large blocks from St. Urbain, Bay St. Paul.—*Geological Survey.*

ZINC ORE (BLENDE.)—Specimens from Prince's Location and Pointe des Mines, Lake Superior.—*Geological Survey.*

LEAD ORE (GALENA.)—Specimens from Prince's Location, Thunder Cape, Pointe des Mines, Lake Superior, Bedford, Fitzroy, and Indian Cove, Gaspé.—*Geological Survey.*

Specimens from Ramsay.—*James McLean, Ramsay.*

Specimens from Lansdowne.—*Mr. Bluit, Lansdowne.*

171666

COPPER ORE (PYRITOUS.)—Specimens from Pointe des Mines and Mamainse, Lake Superior; and Bruce Mines, Lake Huron.—*Montreal Mining Company, Montreal.*

Specimens from Root River, Echo Lake, and Wallace Mines, Lake Huron.—*Geological Survey.*

Specimens from Copper Bay Location.—*Huron Copper Bay Mining Company, Montreal.*

(VARIEGATED.)—Specimens from Bruce Mines.—*Montreal Mining Company, Montreal.*

Specimens from a vein in Inverness.—*Geological Survey.*

(VITREOUS.)—Specimens from Prince's Location and Harrison's Location, Lake Superior; and Bruce Mines, Lake Huron.—*Geological Survey.*

(NATIVE.)—Specimens from Harrison's Location, St. Ignace Island; and Mamainse, East Coast, Lake Superior.—*Montreal Mining Company, Montreal.*

(ARGENTIFEROUS PYRITES.)—Specimens from Upton, Eastern Townships.—*Geological Survey.*

(AURO-ARGENTIFEROUS PYRITES.)—Specimens from Ascott.—*Geological Survey.*

(PYRITOUS AND VARIEGATED.)—Specimens from different lodes, some of them Auriferous and Argentiferous, with various associated minerals to illustrate the same, from Leeds.—*L. Sleeper, Quebec.*

NICKEL ORE (ARSENIURETTED SULPHURET.)—Specimens from Wallace Mine Location, Lake Huron, and Seigniory of Daillebout.—*Geological Survey.*

(ARSENIURET and HYDROUS SILICATE.)—Specimens from Michipicoten Island Lake Superior.—*Michipicoten Mining Company.*

SILVER (NATIVE.)—Specimens containing $3\frac{1}{2}$ per cent. from Prince's Location, Lake Superior.—*Geological Survey.*

GOLD (NATIVE.)—Specimens from washings of drift, with associated ores and pebbles from River du Loup, Fief St. Charles, Seigniory of Aubert de l'Isle.—*James Logan, Montreal.*

(NATIVE.)—Specimens from Lake Etchemin, Rivers Chaudière, du Loup, Famine, Poser's Stream, Bras, Guillaume, des Plantes, Metgermet, St. Francis.—*Geological Survey.*

(NATIVE.)—Specimens from different veins, in Quartz, Bitter Spar, Variegated Copper, &c., and various Minerals to illustrate the occurrence of the same.—*L. Sleeper, Quebec.*

PLATINUM.—Specimen separated from the gold dust of Fief St. Charles.—*James Logan, Montreal.*

IRIDOSMINE.—Specimen separated from the gold dust of Fief St. Charles.—*James Logan, Montreal.*

Auriferous Pyrites, Argentiferous Galena, with Arsenical Pyrites and Blende, associated in a quartz vein in slate on the property of Dr. J. Douglas, in St. François Beauce.—*Richard Oatey, St. George Beauce.*

Minerals requiring more complicated chemical treatment to fit them for use.

Uran Ochre.—Specimens shewing traces from Madoc.—*Geological Survey.*

Chromic Iron.—Specimens from Bolton.—*William Newton, Bolton.*

Specimens from Augmentation of Ham.—*Geological Survey.*

Cobalt Bloom.—Specimens shewing traces from Prince's Location, Lake Superior.—*Geological Survey.*

Wad or Earthy Manganese.—Small specimens from St. Louis Road, near Quebec, on the land of Mr. Hamel, Seigniory of Sillery.—*Geological Survey.*

Iron Pyrites (Common and Magnetic.)—Specimens from Lanoraye and Dautraye Seigniories, and Garthby Township.—*Geological Survey.*

Molybedenite.—Specimens from Terrace Cove, Lake Superior, and Big Mud Turtle Lake, Somerville.—*Geological Survey.*

Dolomite.—Specimens from Dalhousie?—*Dr. J. Wilson, Perth.*

Specimens from Blythfield.—*Geological Survey.*

Large specimen from Sutton.—*Oramel Stutson, Sutton.*

Large specimen from Brome Lake.—*Hiram Foster, Brome.*

Large specimen from Shipton.—*Geological Survey.*

Large specimen from St. Silvestre.—*L. Sleeper, Quebec.*

Large specimen from Point Lévy.—*Capt. Samson, Point Levy.*

Magnesite.—Large blocks partially stained with oxyd of chromium, from Bolton and Sutton.—*Geological Survey.*

Mineral Paints.

Iron Ochre.—Specimens from Seigniory of Ste. Anne de Montmorency.—*E. Caron, St. Anne, Montmorency.*

Specimens from Cap de la Madelaine.—*Geological Survey.*

Specimens from Shipton.—*White & Gallopp, Melbourne.*

Specimens from Point du Lac.—*A. Munroe & Co., Point du Lac.*

Barytes.—Specimens from Burges.—*Dr. J. Wilson, Perth.*

Specimens from Lansdowne.—*Daniel O'Connor, Lansdowne.*

Phosphate of Iron.—Specimens from Vaudreuil.—*R. Lancaster, Vaudreuil.*

Materials applicable to the Fine Arts.

Lithographic Stone.—Blocks from Marmora, prepared with *fac simile* Autograph signatures of the French and English Governors of Canada, from the "Album de Souvenirs Canadiens," of Lieut. Colonel Jacques Viger, first Mayor of Montreal.—*Geological Survey.*

Large blocks from Marmora.—*Marmora Foundery Company.*

Materials applicable to Jewellery.

AGATES.—Cut and polished specimens from Michipicoten, and Simpson's Islands, North Shore, Lake Superior.—*Geological Survey.*

LABRADORITE.—A large specimen of the rock holding Labradorite, from Grenville.—*Sykes, DeBergue & Co., Grenville.*

JASPER.—Cut and polished pebbles, from Lake Superior, and a boulder of Jasper Conglomerate from Bruce Mines Location, Lake Huron.—*Geological Survey.*

RIBBONED CHERT.—Specimens from Thunder Bay, Lake Superior.—*Geological Survey.*

PERISTERITE AND PERTHITE.—Specimens from Bathurst and Burgess.—*Dr. J. Wilson, Perth.*

ORIENTAL RUBY—Specimens from Burgess.—*Dr. J. Wilson, Perth.*

Refractory Materials.

SOAP STONE (COMPACT TALC.)—Large slabs from Bolton.—*Messrs. Abbot, Montreal.*

Specimens from Potton.—*Harman Woodward, Potton.*

POTSTONE (COMPACT CHLORITE.)—Sawed slabs from Bolton.—*J. McMannis, Bolton.*

Large specimens from Shipton.—*White & Gallopp, Melbourne.*

MICA.—Cut and uncut leaves from Grenville.—*F. Inlay, Grenville.*

PLUMBAGO.—Specimens from Grenville.—*Hon. R. U. Harwood, Vaudreuil.*

Specimens from Burgess.—*Dr. J. Wilson, Perth.*

WHITE SANDSTONE.—Large block dressed, used for furnace hearths at the St. Maurice Forges.—*John Porter & Co., St. Maurice.*

ASBESTUS.—Specimens from Dalhousie.—*Dr. J. Wilson, Perth.*

Mineral Manures.

PHOSPHATE OF LIME.—Large crystals in crystalline limestone.—*Dr. J. Wilson, Perth.*

GYPSUM.—Large block from Reynolds' Bed, Brantford.—*Spottiswood & Reynolds, Paris.*

Large block from Yates' bed, Brantford.—*William Yates, Paris.*

Large block from Martindale's bed, Oneida.—*Thomas Martindale, Oneida.*

Large block from Donaldson's bed, Oneida.—*John Donaldson, Oneida.*

FRESH-WATER SHELL MARL.—Specimen from New Edinburgh.—*Hon. Thos. McKay, New Edinburgh.*

Specimen from Sheffield.—*A. Dickson, Kingston.*

Specimen from Montreal.—*Mr. Sheriff Boston, Montreal.*

Specimen from Stanstead.—*L. K. Benton, Stanstead.*

Grinding and Polishing Materials.

WHETSTONES.—Sundry specimens from Madoc and Stanstead.—*Geological Survey.*

Cut specimens from Kingsey.—*Gilman Jackman, Kingsey.*

TRIPOLI EARTH.—Specimens from Laval.—*Geological Survey.*

Materials applicable to Common and Decorative Architecture.

ROOFING SLATES.—Specimens from Shipton Slate Quarry, Shipton.—*Shipton Slate Company, Shipton.*

Specimens from Guy's Quarry, Orford.—*John Guy, Melbourne.*

Specimens from Westbury.—*James Leslie, Sherbrooke.*

Specimens from Tring.—*Joseph Tardif, Tring.*

WHITE GRANITE.—A dressed block from Hereford.—*Grand Trunk Railroad Company, Montreal.*

A dressed block from Barnston.—*John Primmerman, Barnston.*

A dressed block from St. Joseph Seigniory, used for Millstones—*James Calway, St. Joseph.*

PSEUDO GRANITE.—A dressed block from Nicolet Bridge, Shipton.—*Grand Trunk Railroad Company, Montreal.*

SANDSTONE.—A dressed block from Ramsay.—*Hilliard & Dickson, Packenham.*

A dressed block from Pembroke.—*P. White, Pembroke.*

A dressed block from St. Maurice.—*John Porter & Co., St. Maurice.*

CALCAREOUS SANDSTONE.—A dressed block from Chaudière Bridge, Seigniory of Lauzon.—*Grand Trunk Railroad Company, Montreal.*

LIMESTONE.—A dressed block from Marmora.—*R. Brown, Rice Lake.*

A dressed block from Arnprior, McNab.—*D. McLachan, Bytown.*

Two dressed blocks from the Chats.—*Mr. McDonald, Chats.*

Sundry dressed blocks, being examples of stone used in various bridges of the Grand Trunk Railroad Company.—*Grand Trunk Railroad Company, Montreal.*

A dressed block from Gloucester.—*Geological Survey.*

A dressed block from Montreal.—*Hutchinson & Morrison, Montreal.*

A dressed block from Packenham.—*A. Dickson, Kingston.*

A dressed block from Caughnawaga.—*Thos. Keefer, Montreal.*

TRAP.—A dressed block from St. Rocque.—*Geological Survey.*

MARBLE (MAGNESIAN.)—A large polished slab of green serpentine from Orford.—*Geological Survey.*

A large polished slab from Brompton Lake.—*Geological Survey.*

(CALCAREOUS.)—Polished slab, white and yellow, from Dudswell.—*Geological Survey.*

Polished slab, grey and yellow, cut with bed, from Dudswell.—*Geological Survey.*

Polished slab, grey and yellow, cut across bed, from Dudswell.—*Geological Survey.*

Polished slab, greyish white, from Dudswell.—*Geological Survey.*

Polished slab, white, from Missisquoi Bay, St. Armand.—*R. Cheesman, Phillipsburgh.*

Polished slab, greyish white, from Missisquoi Bay, St. Armand.—*R. Cheesman, Phillipsburgh.*

Polished slabs of variegated grey, from Arnprior, McNab.—*D. McLachan, Bytown.*

Polished slab, grey, from Packenham.—*A. Dickson, Kingston.*

Polished slab, brown, from Packenham.—*A. Dickson, Kingston.*

Polished slab, mottled red, from St. Lin.—*Geological Survey.*

Hydraulic Limestone.—Specimens of prepared cement and a block of raw stone, from Thorold.—*J. Brown, St. Catherine.*

A block of raw stone from Bayley's bed, Brantford.—*Mr. Little, Paris.*

A block of raw stone from Martindale's bed, Oneida.—*Thos. Martindale, Oneida.*

A block of raw stone of what is called the Hull Cement, from Nepean.—*Geological Survey.*

Common Bricks (White.)—Specimens from Westminster.—*Geological Survey.*

Combustible Materials.

Peat.—Specimens of unpressed and pressed, from Longueuil Seigniory.—*J. Scobell, Montreal.*

Specimens from Sheffield.—*A. Dickson, Kingston.*

Specimens from Sherrington.—*Mr. Sheriff Boston, Montreal.*

Asphalt.—Specimen from Enniskillen.—*International Mining Company, Hamilton.*

Miscellaneous Materials.

Aerolite.—A mass of Metallic Iron of extra-terrestrial origin found in Madoc, C. W. It weighs 370 lbs., and is alloyed with 6.35 per cent. of Nickel. This is the seventy-fifth mass of Meteoric Iron known, and the first one discovered in Canada; only one larger is preserved in any collection. The whole number of Aërolites described, including those of Stone as well as Iron, is 338, and there are only ten of them heavier than this.—*Geological Survey.*

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